SOME NEW BOOKS.

A New Mistery of Spain : First Notice

If there is any historical work which would be certain to be welcomed by English readers it is a comprehensive history of Spain. No satisfactory essay to that end has ever yet made in English, nor does there exist in English an adequate account even of the Moore in Spain, a subject the treatment of which would require that the author should be not only a competent man of letters, but a thorough Arabic scholar, familiar at least a large part of the mass of Arabic literature bearing on the fortunes of the Spanish Caliphate. We cannot say that the conditions of the undertaking have been fully met in the book now published in two volumes by the Longmans and entitled A History of Spain from the Earliest Times to the Death of Fordinand the Catholic, by ULICE HALPH BURKE. When one considers that the Mohammedans rotained a footnoid in Spain for nearly eight centuries, and left an inefface able imprint on the industries and character of the Spanish people, we marvel that any one not conversant with Arabic should assume to describe the course of events in the Iberian Yet this is what Mr. Burke has peninsuld done What knowledge of Moslem Spain be has is derived wholly at second or third hand, His principal authorities for this important sec tion of his theme are Gayangos and Dozy though he has evidently read also the extracts from Arabian historians put tegether in Conde's Dominacion de los Arabes y de los Moros en The result is a jejeune narrative s far as the Spanish Moslems are concerned. We miss a preliminary sketch of the Moslem con quest of north Africa, which, from first to last, was the material and moral basis of the power eventually acquired in Spain. We miss an outline of the relations of the Caliphate of Cor to the Edrisite Kings of Fer, to Aglabite lords of Kairouan, and to the Saracenic conquests more or less permanen in Sicily, southern Italy, Sardinia, and on the Ligurian coast. In Spain itself scarcely any attention is paid to Moslem history for the period more than two centuries in duration between the downfall of the Cordovan Caliphate and the capture of Seville by the Christians of Castile. The story of the evolution of the king dom of Portugal is almost entirely omitted. although this cannot be dissevered from the history of the other kings in the peninsula. The relation of Aragon to the southern coast of France, and subsequently to Sicily, is scarcely more than indicated. The extent to which the Christian population of Spain was converted during the first three centuries following the battle of Guadalete, a most interesting and important question, is left to conjecture. In spite, however, of these drawbacks, we are indebted to Mr. Burke for the most readable history of Spain which exists in English, and there are certain sections of his applicat which are treated with remarkable success. The earlier chapters, for example, render full justice to the fortitude with which the Celtiberians maintained their struggle for independence against Rome, and to the great place which, from every point of view, the province of Spain attained in the Roman em pire. The author, moreover, does not evade, but squarely faces two difficult questions namely, how came the Visigotha to conquer eninsula with so much ease, and how did it happen that the Visigoths themdives, who had repeatedly beaten back the Franks, succumbed so quickly and so completely to the Moslems? We add that the civilization reached by the Spanish Moslems in the tenth and eleventh centuries is more effectively portrayed than would be expected from a writer unacquainted at first hand with the Arabic authorities. Among the other creditable features of the first volume, to whi the moment, we confine ourselves, is the stress laid on the relatively tolerant character of the Spanish people up to at least the fourteenth eral institutions of Aragon, and the account of

the mercantile energy and greatness of Bar-The astonishing thing about the history of the Iberian peninsula is that the country which was to yield so quickly to Visigoth and Moor should have withstood so long and sturdily the might of the Roman Republic. From the time of the first Scipio Africanus to the time of Augustus, innumerable Roman armies undertook to reduce to subjection the Celtiberians, but with only indifferent success. After more than a hundred and fifty years of fighting, the task was still far from being accomplished. As long as Rome treated the Iberian provincials merely as a conquered people, they remained unsubcounsels generally prevailed, the Romanized Spaniard grasped the hand that was extended to him, and became one of the proudest and most loyal citizens of the empire. Left to themthe Geltiberian tribes were ever divided, factious, disturbed, United under the Lusitanian Viriatus, or under the Roman Sertorius, they long successfully resisted the Roman power. United under Julius and Augustus Clesar, they became the most Roman of the provincials of Rome. An explanation is found in the great susceptibility to personal infixence which has always characterized the Spanish people. Under the sympathetic Hasdrubal, they had accepted the dominion of Carthage; under Hannibal they had fought the ardfest and most loyal of his soldiers in the Punic armies of Italy. When the elder Sciplo Africanus came, not as a destroyer, but as a liberator, and displayed the qualities of clemency and justice, the Spanlards would have compelied him to become their king. Such was the nciliatory effect of the administration organfixed by Julius Cresar in the peninsula, that his legions were filled with loyal and admiring Spaniards when he fought, not for glory, but for existence, on the field of Munda. With the final triumph of the great Julius began the peace and prosperity of Roman Spain, which were thoroughly established by Augustus, who spent two fruitful years in the peninsula, years devoted to the objects of reforming official abuses and consolidating the Roman power. The name of the first Augustus was long held in honor by the grateful inhabitants and lives to the present day in the names of many Spanish cities, as, for instance, Merida, Astorga, Braga, Lugo, Saragossa, and Badajoz. Before Augustus died the Iberian peninsula had become not only an integral, but a very important part of man empire. The capital was fed with Spanish corn, the legions were filled with Spanish recruits, and the Emperor had intrusted the immediate guardianship of his person to three thousand Spanish soldiers. Tarragona and Merida, Saragossa and Cartagena, Cordova and Cadiz were already among the great cities of the empire. In a very brief space of time Spain had become deeply, heartily, and thoroughly Roman. At the death of Augustus, the Roman language and even the Roman dress prevailed throughout the southern and eastern ctions of the peninsula. Spanish poets, Spanish rhotoricians, and even Spanish teachers were welcomed and respected in Rome itself. Cicero himself had been able to find but a slight foreign flavor in the Latinity of the poets of Cordova; and Marcus Porcius Latro, a native of the same city, had been the teacher of Ovid, of

Noteworthy is it that the first provincial that ever rose to the consulate or was accorded the rarer honor of a triumph was Halbus, a Spanfard of Cadiz in the early days of Augustus. The first provincial that ever sat upon the throne of the Casars was Trajan, a Spanlard of Soville, or rather the neighboring town named Italica. Under Trajan and under his fellow countryman Hadrian, Spain flourished exceedingly. Nor was the province less prosperous under another noble Andalusian, the Emperor Marcus Aurelius. Theodosius the Great, was also a Spaniard, born either at Italica or Cauca. Indeed, in the year 385, the Pope (Damasus), the Emperors (Theodosius and his push of a lance. In the last place, Christianity rival, Maximus), the archheretic, Priscillian, was by no means the least of the manifold in

Maccenes, and of Augustus himself. Another

Cordevan of the same period, who was known

as Antonius Julianus, had been a rhetorician in

were all Spaniards. Heminding us of Gibbons's assertion that, if a man were called to fix the period during which the condition of the human race was happiest, he would name that which elapsed from the death of Domitian to the accession of Commodus, the author of this history points out that during more than sixty of these eighty-three golde years the Mediterranean world was under the personal rule of a Spanish Emperor. Under good government Spain grew rapidly in wealth and importance, and, in this sheltered province the operations of war gave way to the arts of peace. Husbandry, the only form of labor that was not considered unbecoming in a Roman citizen, was cultivated as a science and prac tised with singular success. The clive flour ished not only in Bettes, but in Tarraconensis The cultivation of the vine was extended from the Straits of Hercules to the slopes of the Pyrenees, and the vines of Tarragona became highly appreciated in Rome. The Spanish olive oil held its own by the side of the product of central Italy. Spanish steel challenged comparison with that of Damascus. The flax which is said to have been introduced by the Phoenicians was worked by the hands of Spanish women into the finest linen that was to be found in Western Europe. The exclusively military roads that had been made for the defence of the frontiers were supplemented under the empire by what may be called trade routes in every part of the peniusula. The great road along the east coast from the Pyrencan frontier to the mouth of the Candalquivir. the Via Augusta, was only one of many noble highways that opened the rich countries to the merchant and the traveller, and secured to the miner and the hasbandman the rewards of his industry. Nor were imperial works restricted to those of mere utility. Artistic bridges crossed the broad streams that checkered the country aqueducts, circuses, baths, and public buildings of every kind sprang up throughout the land: it s from the days of the Spanish Emperors that date most of the monuments of imperial gran-deur which are still to be found in the peninsula. The beautiful arch of Torre-de-la-Barca in Catalonia, the famous bridge of Alcantara in Estremadura, the colonnade of Zalamea-de-la serena, the tower at Corunna, the Monte Ferrada in Galicia, the circus of Italica, and the magnificent aqueducts of Tarragona and Segovia these are surviving records of the days when the Roman Spaniards ruled the world. Nor vere the glories of Hispania confined to the derelopment of material wealth, nor even to the splendor of the imperial administration. Even mong educated persons few are alive to the act that, from the death of Ovid to the death of Martial, there is only one Latin writer of the irst rank who did not come from Spain. The elder Seneca, with his yet more distinguished on, the philosopher, and with his nephew, Lucan, the author of the Pharsalla, were all born at Cordova. Pomponius Mela, the first Roman geographer, was a native of Algeceras, and Columela, the father of agriculture, was a native of Cadiz. Martial was born at Bilbilis near Calatayud, in Aragon, and Quintilian left his home at Calaborra to give to Rome and to the world one of the most excellent text books that we owe to antiquity.

HIL. Such being the condition of Spain in the first and second centuries after Christ, how are we to account for the rapid conquest of the province

in the fifth century by the Visigoths, or rather

by their immediate predecessors, the Vandals

The author of this book recognizes the difficulty

of explaining the extraordinary facility with

which these barbarians seem to have been abl to possess themselves of the greatest and richest of the Roman provinces. No doubt the terror that was inspired by their vast numbers and by the names of their leaders was enormous. Nevertheless, the rapidity with which they overran the Spanish peninsula is well nigh inexplicable. Three months before their descent into Spain, just such barbarians had been driven out of the heart of italy. Four years earlier, Aiaric himself had been repulsed on the very frontier of that country. Why were the degraded Romans of Spain so inferior to the degraded Italians? Were there no Spaniards left in Spain? Was the old Celtiberian blo od exhausted? No explanation is offered by history. We are merely told that, some five centuries after the matchiess defence of Numantia, a barbarian host marched unchecked across the peninsula; that the fatherland of Viriatus was invaded and occupied without the serious opposition of a single Lusitanian; and that the country which, for nearly two hundred years, had resisted the forces of republican Rome, had defied consuls and defeated armies, and, when worn out by decades of conflict, had scarcely yielded to the generalship of Pompey and of Cassar, was content, almost without striking a blow, to submit to complete subjects hands of a horde of savages. This is certaluly an historical enigma, and, by way of helping us to solve it. Mr. Burke invites us to consider the following suggestions: In the first place, the devastation that was wrought in the provinces by the incidence of imperial taxation and the tyranny of the imperial tax collectors, more especially after the time of Caracalla, was undoubtedly a terrible reality. It is not hard to understand that the provincials, harassed and driven to actual despair by the consuming hierarchy of extortion, should await with indifference the proach of the barbarian as of something likely to change at least the nature if it might not lighten the weight of their misery. Almost equally important among the causes that combined to render Spain an easy prey was the decay of Spanish manhood. That the paupers and slaves who composed the greater part of the population of Roman Spain in A. D. 406 should be willing or even able to take up arms in defence of the empire was hardly to be expected. For 500 years the free manhood of the province had marched under the Roman standards to be slain on every frontier. The Spanish soldiers were not only the sturdiest in the armies of Rome, but they were, perhaps, the most numerous; and the legionary never returned to Spain. He settled in far-away Roumania, where his ancient language is still spoken by his modern descendants, or it may be he killed himself with riotous living at the capital; most frequently he died in harness, fighting the battles of the empire. Meanwhile his less for-tunate brother who remained in his provincial home lived and died a Roman slave.

destroyed Italy, had siso extinguished rural life in the provinces. The whole of Roman Africa in the time of Honorius is said to have belonged to six great landholders, and, although the evil was not so enormous in the Iberian peninsula, the extension of pradial slavery, in the absence of free laborers, or even of free agricultural tenants, combined with other causes to destroy agriculture and the great agricultural class, which has at so many epochs been at once the support and the glory of Spain. The enormous growth of slavery in the towns was not so ilsastrous as the extinction of free labor in the country, yet it tended to degrade the whole race. Domestic slavery in the Roman empire was unquestionably the most demoraliz-ing form of the institution that has ever existed in the civilized world, While it degraded labor, and rendered the great human duty of work one scarcely to be brooked by a free man, and thus struck at the root of all progress toward perfection in any art or craft, it demoralized the slave owners to an extent which it is difficult to convey in an English printed book. So it came to pass that, when the Vandal thundered on the frentier, there were not only no Roman soldiers; there were no free Romans left to bar his entrance. The garrison of Spain had been gradually reduced to insignificant proportions, for in Spain there had been no fighting for four hundred years. Even the Cantabrians needed no subjugation, for no one had cared to subdue them. The old fighting stock had vanished, the old fighting traditions had died away; peaceful men and peaceful pursuits had taken their place. who were not slaves or paupers were emasculated by luxury, and the slaves and paupers had no heart to fight, for they knew of nothing that was worth the

In the third place, we are reminded that the

large estates, or latifundia, which were said to

the Homan provincials. It was not only that the new religion was the religion of peace, but the rise of Christianity was already a source of disunion among the forces of the Roman world. Few Christians who could avoid military set vice were to be found in the ranks of the legions. Their best men, their boldest spirits, were presbyters and deacons; their natural leaders were metropolitans and bishops. The kingdom of Christ was not of this world, and for worldly empire the Christian of that day hardly cared to fight. The end of the world, indeed, was daily, almost hourly expected. The faithful soldier and servant of Christ would render unto Casar the things that were Casar's, but the business, the pleasure, the entire work of his life were concerned with the things that

were God's. We pass to the second great problem in Spanish history. If the rapidity and the completeness of the barbarian conquest of the peninsula at the beginning of the fifth century is calculated to excite wonder, we survey with even greater astonishment the conquest of the Visigethic kingdom by the Moslems, for this was incomparably more rapid and more durable. The occupation of Spain, indeed, by the Visigoths, the gentlest and most humans of all the barbarians, may have been regarded rather as a deliverance than as a conquest; for the arms of their amiable leader, Wallis, were directed, not against the Roman provincials, but against the terrible Vandals and Suevians and Alans, who had ravaged the country for ten years Even these fiercer barbarians, however, had falled to possess themselves of more than a portion of the province, and a great number of the cities remained in the hands of the Romans until at the approach of Wallia, the guise of an imperial commander the gates were opened to the Visigothic allies, the harbingers of peace to Roman Spain. When some fifty years later, the imperial authority gave place to that of the Visigoths, under Eurric, it was rather a change of government than a conquest by a foreign power. Thus to the Visigoths in Spain were given enormous opportunities and ample means of founding a prosperous and enduring commonwealth. Treated from their first arrival in the country as friends rather than as foes, they entered into the peaceful occupation of the richest provinces of the Roman world and divided the broad lands with what yet remained of one of the noblest races that was absorbed into the Roman empire For nearly 300 years, moreover, nine tenths of the peninsula remained turbed by foreign invasion, and while the rare violations of the northern frontier by Frank or Burgundian were promptly repelled, prudence or weakness forbade retaliation, and the blood and treasure of the country were never at any time wasted in foreign wars. Spain, too, enloved from the days of Wallia to the days of Roderic the advantage of political unity. The State was never divided like that of the neighboring Franks, into rival and often hostile kingdoms, incessantly embroiled in family disputes and civil war. In a word, Spain, with its fertile soil, varied climate, majestic rivers, extensive seaboard, inexhaustible mines, and its hardy and frogal population, was the richest inheritance of the Gothic race. Yet, after three centuries of undisputed enjoyment, their rule overthrown at once and forever by a handful of marauders from Africa.

Mr. Burke would account for this second enigma in this way. The military spirit, the personal courage, and the love of arms which had. before all things, distinguished the Goths of the fifth century, had, in the seventh century, entirely disappeared. The military system devised by one of the Kings in the hope of 'replacing the old national spirit had been destroyed almost as soon as it was established by the churchmen. whose power it threatened. No new national spirit had as yet been created. The kings, ruled by the bishops, after the conversion from Arlanism to Catholicism, had nothing in common with the people, who despised, or the nobles, who assassinated them. The nobles, inordinately wealthy, idle, dissolute, unwarlike, lived lives of luxury and ease, whose mon was only broken by occasional rebellion. The absence of anything like a feudal system made the position of the great landholders a false one, and left their wealth without a justification their estates without a reason, their lives without an object. If the lord had no influence, the aborer had no hope. A slave in fact, if not in name, he found the Gothic serfdom as sive, and scarcely less demortlizing than the toman servitude. Christian bondage, from one point of view, was more odious, because more The Bishops were among the largest slaveholders in the realm, and baptized Christians were bought and sold by the successors of St. Paul and Santiago. Kings without power, nobles without influence, a clergy already corrupt, a people not yet free, this was poor result of three hundred years of domination. If the provincials of Honorius had been a cople of tax gatherers and bankrupts, the sublects of Roderic were a nation of priests and Thus had the Roman and the Visigoth alike fallen into decay. The glory of the mperial dominion, the pride in the Gothic liberty, had alike departed. The successor of the Celtiberians had become a population without patriotism, without part or lot in th relfare of the country in which they lived. Abandoned by Gothic kings to Romish eccle slastics, the great body of the nation was ready to exchange the double voke of their ingloriou oppressors for the practical freedom which they found under the Arabs.

An especially weak spot in the Visigothic monarchy was the absence of hereditary right Had the kingdom descended from father to son, without the necessity of an election by a council in which the prelates took part, the kings would have been independent o e great metropolitans, and the nobles would not have been tempted to flatter the bishops i the hope of being able to supplant the kings. To the Catholic hierarchy must also be attribute another source of weakness which greatly contributed to the case of the Mo-hammedan conquest. The conversion of the Visigoths to Catholicism was owed by a frightful persecution of the Jews, who were numerous and powerful in Spain and in whose hands lay almost all the trade and manufactures of the country. Deprived of their civil rights, despoiled of their property, robbed of their children, consigned to the tender merc of irresponsible ecclesiastics, scourged, tortured, and reduced to slavery, they were still present in multitudes in Spain. If they had been rendered disloyal they had not been rendered im-potent, and, in the last decade of the seventh century, it was discovered with horror and a nishment that the Jews were conspiring with the Saracens, already in Africa, against the rule of the Visigoths, seeking some alleviation of their misery from a change of masters in Spain The plan which failed at that time was, twenty years later, to prove successful.

The story of the Mohammedan conquest of Spain is in itself a romance. A little army of Berbers and Arabs, led by a subordinate General, Tarik, landed in the year 711 at the foot of the Rock Calpe. King Roderic, who was in the north of the peninsuia, hastened to the defence of his kingdom. The result we know. An army of 60,000 men, headed by the Visigothic sovereign, with every advantage of locality, of supply, and of means of transport, was promptly routed by a band of Moslem marauders. Taric saw the greatness of his opportunity. He diwided his little force into three columns and pressed forward to overrun the peninsula of Spain. Astounding was the success with which the audacious invasion was crowned. City after city opened its gates at the summons of the Moor, and, in a few months after his victory on the banks of the Guadalete. the kingdom of the Visigoths had ceased to exist. Such was the eagerness of submission that the Governor of Cordova is recorded as the only important official who fell, without conditions, a prisoner into the hands of the Saracens, The work begun by Tarik was continued by Muss, the direct representative of the Caliph, and presently carried across the Pyrenees over that southern province of Gaul which had long been governed by the Visigoths. The Bishops disappeared, the people were indifferent, Spain was abandoned to the Arabs. It was something the first inquisitors, Idacius and Ithacus, I fluences that junded to weaken the resistance of | more than a conquest, it was rather a social revolution. The Jaws were avenged of their rsecutors, the slave was set free, the old order of things passed away. All things had n a become new. What was the long struggle of the barbarian hords three centurie before to the lightning-like success of this handful of invaders?

The greater part of the Iberian peninsula ac-

cepted the Moslem rule without striking a blow,

and the inhabitants, as a rule, having peaceably

submitted to the inevitable, were suffered to re

main in full possession of their lands and prop-

erty of every description. Only in the district

which had to be conquered by the luvaders with actual force of arms was one-fifth part reserved for the royal treasury, while the remainder was divided among the victorious soldiers. In the towns the inhabitants were generally left in ession of their houses on payment of the tax due by every free non-Moslem subject of a Moslem Government, in return for the rotection of the state. In every case the free exercise of their religion was allowed to the onquered Christians. Gradually the subject population emerged from the misery which they had experienced under the Visigoths, and throve greatly under the enlightened away of the Arab Amirs. The taxes were light. The laws were simple. The noble oppressors had fled away to the mountains of the north, where the Arab could not or did not pursue them. The Bishops and many of the clergy had followed them in their retreat. The Jews, the richest, the most enlightened, and the most learned of the old inhabitants of Spain, were not only tolerated but highly honored by the new rulers. Mr. Burke points out, what is, no doubt, the fact, that the Jews had probably invited, and had certainly welcomed, the Arabs into Spain. They had assisted the invaders in their early struggles, and had furnished garrisons for many southern cities when the main body of the Moslem army was pressing forward to occupy more northern districts. They were not forgotten by the victors when the Moslem occupa tion was complete. Yet, cruelly injured as they had been by the kings and councils of the Visigoths, the Jews were generous in their hour of triumph; we hear no word of Christians, lay or ecclesiastic, being persecuted by Jews in the day of their power and influence at the court of the Moselm. Nor, indeed, did the Christians suffer in any way on account of their religion at the hands of the Arab and Moorish conqueror. Many Romans and Visigoths embraced Islam, aspir ing to positions of honor or profit in the state The slave who adopted the Moslem creed secured his immediate freedom; but those wh set their Christianity above honor or profit were at liberty not only to maintain their ancient faith but to profess and follow it in public Churches were retained by the Christians in every city in the peninsula: and mass was celebrated day by day according to the Gothic or Mozarable ritual under the protection of the Moslem authorities. The only burden to which the Christian or Mozarab was exposed from which the true believer was free was that of a small annual tribute or poll tax. In every other respect not only perfect toleration but nominal quality was the rule of the Arab in Spain. In the early days of the occupation, even when the invader was speeding, sword in hand, throughout the country, the general order to the Moslem soldiery was to spare at all times those who offered no resistnce. The Christian writers admit that these instructions were almost always carried out. Delay in recognizing the supremacy of the earlier invaders was do doubt visited more than nce with hasty slaughter. It is equally true that in later days the overdemonstrative profession of an intelerant Catholicism was to be the signal for outbreaks of an enraged Islam. But for some centuries after the country was airly regulated the Christian Spaniard not only enjoyed personal and religious freedom, but he attended the public ministrations of his own priests; he was governed as far as he chose by his own laws, interpreted by his own Judges and, on the whole, the new rule was one of peace, prosperity, and justice.

VI. We turn to the author's account of the Caliphate of Cordova at the acme of its spiendor. In the tenth century, under the master hand of blue-eyed, fair-skinned Arab, the amiable gentle, prudent, and accomplished Abdur Rabman an Nasir, who first assumed the title of Commander of the Faithful, Moslem Spain was raised to a degree of power and civilization un dreamed of by any former and contemporary sovereign, and scarcely surpassed in modern times. In the course of a reign of nearly fifty years this prince raised the rule of the Moslem in Spain to the highest pitch of glory and pros perity, and made the title of Caliph of Cordov no less widely known and honored than that of Caliph of Bagdad. Cordova itself was the most beautiful, the most magnificent, the most luxurious, the most civilized city of mediaval Europe in the tenth century of our err Its markets were always stocked with the richest and most varied products of every country. Ac cording to a contemporary writer no robe, however costly; no drug, however scarce; no lewel however precious; no rarity of distant and unknown lands was wanting in its splendid ba zaars. Even before his arrival the visitor had some foretaste of the luxury that awaited him for on all the principal roads leading to the city the Caliph had established rest houses something after the fashion of the Dak bungalows maintained by the modern Anglo Indian Government for the gratuitous occupation of travellers. Within the city, the Caliph had his palace of Flowers, his Palace of Contentment, his Palace of Lovers, and, most beau tiful of all, the Palace of Damascus, looking upon gardens watered by the Guadalquiver while the humblest Moslem took his ease in the Golden Meadow, in the Garden of the Water Wheel, and the Meadow of Murmuring Waters. Rich and poor met in the Mezquita, the noblesi place of worship then standing in Europe, larger than St. Sophia, and only to be eventually sur passed in magnitude by St. Peter's, with its twelve hundred marble columns and its twenty brazen doors; the vast interior resplendent with porphyry and jasper and many-colored precious stones, the walls glittering with harmonious mosaics, the air perfumed with incense, the courtyard leafy with groves of orange trees. Throughout the city there were fountains, basins, baths, with cold water brought from the neighboring mountains, already carried in the leaden pipes that are the highest triumph of the modern plumber. A contemporary observer noted that "the Arabs of Andalusia are the cleanest people on earth in what regards their person, dress, bed, and the interior of their uses; indeed, they carry cleanliness to such an extreme that it is not an uncommon thing for a man of the lower classes to spend his last dirhem in soap, instead of buying food for his daily consumption, and thus go without his dinner, rather than appear in public in dirty clothes." Of the universal dirtiness of their

More wonderful even than Cordova itself was the suburb and palace of Az Zahra. For five and twenty years the third and greatest Abdus Rahman devoted to the building of this royal caprice a third of the revenues of the State; and the work on his death was piously continued by his son, who devoted to its completion the first fifteen years of his reign. For forty years 10,-000 workmen are said to have toiled day by day, and the description of the refinement as well as the magnificence of the structure almost passe belief. Travellers from distant lands, men of all ranks and professions, princes, ambassadors, merchants, pilgrims, theologians, and poets, all agreed that they had never seen in the course of their travels anything that could be compared with Az Zahra. Of this marvellous creation of art and fancy not one stone remains upon another, not a vestige to mark the spot upon which it stood, and it is hard to reconstruct from the dry records of Arab historians the fairy edifice of which, as we are told, no words could paint the magnificence. According to there authors, the enclosing wall of the palace was 4.000 feet in length from east to west and 2,200 feet from north to south. The greater part of this space was occupied by gardens, with their marble fountains, klosks, and ornaments of various kinds, not inferior after their kind in beauty to the more strictly architectural parts of the building. The roof of the palace

Christian contemporaries, the evidence is only

and most precious marbles; of these some were brought from Africa, some from Rome, and many were presented by the Emperor at Constantinople to Abdur Rahman. The halls were paved with marble, disposed in a thousand varied patterns. The walls were of the same material, and ornamented with friezes of the most brilliant colors. The ceilings, constructed of cedar, were enriched with gildings on an azure ground, with damasked work and interlaging designs. Everything, in short, that the wealth and resources of the Caliph could com-mand was lavished on this favorite retreat, and all that the art of Constantinopie and Bagdad could contribute to aid the taste and executive skill of the Spanish Arabs was enlisted to make t the most perfect work of its age. Did this Palace of Zahra now remain to us we could afford to despise the Albambra and all the other works of the declining ages of Moorish art.

VII. Nor was it only material splendor that was to e found at Cordeya. At a time when Christian Europe was steeped in ignorance and barbarism superstition and prejudice, every branch of science was studied under the favor and pro tection of the Ommeyad Caliphs. Medicine, surgery, botany, chemistry, all flourished at the court and city of Cordova. Agriculture was cuitivated to a perfection, both theoretical and practical, which is apparent from the works of contemporary Arab writers. The sile so lately intreduced into England as a valuable agricultural novelty is not only the invention of the Arabs, but the very name is Arabic, as is that of the azequia and of the noria of modern Spain. Both the second and the third Abdur Rahman were passionately fond of gardening and tree planting, and seeds, roots, and cuttings were brought from all parts of the world and acclimatized in the gardens at Cordova. A pomegranate of peculiar excellence, the safari, which was introduced by the second Abdue Bahman from Damascus, still maintains its superiority, and is known to the present day as the Granadi

The encouragement that was given by the Callphs at Cordova to men of science and learning of every kind, and especially the richly endowed colleges and universities of Moslem Spain, made Cordova the home of the philosophere, and the students, and the experimentalists of mediaval Europe. Almanzor, who was the great political figure in the latter half of the tenth century, was also a collector of books and a patron of bookmen; and even the political anarchy that followed on his death did not immediately drive away the philosophers from Cordova. It was chiefly, if not entirely, by the great Moslem doctors of Arab Spain, even when the political glory of the Caliphate had departed, that, after ten centuries of dark pess, the ancient learning was once more brought before the Christian world, and speculation was awakened n medieval Europe, until, at length, knowledge was triumphant at the Renaissance, and thought was made free at the Reformation. Thus it was that in Spain, whose history is associated in men's minds with a narrow and intolerant ecclesiasticism, the lamp of learning was, as a matter of fact, kept alight even in the darkest ages of Papal oppression and Italian ignorance. Within less than half a century from the day when Hildebrand triumphed at Canossa, Averroes was born at Cordova. The immediate suc essor of Avempace of Saragossa, the friend of Abenzoar of Seville, the disciple of Abubacer of Cordova, Averroes is accounted he greatest doctor of science and philosophy f Moslem Spain, in that he has had the greatest influence upon the world at large; yet be was but prince among many learned peers in the Arab schools of Cordova. High among these orgotten worthies stands the name of Hasan ibn Halthem, more commonly known in the West as Al Hazen, a man who was probably born in Spain, and who certainly lived and studied at Cordova in the early years of the eleventh century. Over two hundred years be-fore the time of Roger Bacon, the Christian student who suffered persecution and actual imprisonment for the novelty of his scientific discoveries, Al Hazen lived too early to be appreciated by Christian men of learning. His works however, remain, and his discoveries smoothed he path of future students, ignorant, perhaps, of the debt that science owed to Isl pointed out that his explanations of the physical marvels of the human vision are no more remark able than his discoveries with regard to the properties of light; his demonstration of the nature of the atmosphere and his hold but accurate theories of optics, of astronomy, and of physical science generally; while his theory of gravitation was only modified after a lapse of nearly five hundred years by Newton.

The greatest name in the literature and science of Moslem Spain is that of Averroe born at Cordova in the dark days of the last Almoravides, in 1126. Strange to say, he enjoyed but little reputation among his Arab contemporaries, except as a physician. Assuredly he founded no school in Islam. His philosophical successors in the East are not Moslems, but the Jewish disciples of Moses Maimonides. His fame is due entirely to the Christian doctors who admired, misunderstood, discussed, and quarrelled over his commentaries. Almost without influence in Islam was the great Moslem whose translations and speculations were as the seed whose fruit was the reformation of Christendom. Out of Cordova shone the light; but Cordova itself was soon enveloped in the

blackness of darkest night. Attention is directed by our author to the fact that Averroes, the translator and preserver of Aristotle, was himself not acquainted with the language of the original, and that the Latin translation of his Arabic version which served the Christian doctors of the twelfth century was the translation of his translation of a He brew translation of a commentary on the Arab translation of a Syriac translation of the original Greek texts. Yet although Averroes was ignorant of Greek, and although he was so far from being the first translator of Aristotle, he had so keen and just an appreciation of the work of the Stagyrite that to him is certainly due the credit of introducing the Greek philosopher to western Europe. His own views no doubt were largely affected by the neo-Platonism of the Alexandrian school. Yet Aristotle was his master, his model, the inspirer of all his works Even in his medical writings, more celebrated among his contemporaries than his philosophical commentaries, Averroes is always the champion of Aristotle against the more popular the ries of Galen, especially in his celebrated treatise on medical science, translated into Latin under the title of "Colliget," and reprinted in Europe. The total number of his works that can now be identified is sixty-seven; but the destruction of Arabic manuscripts after the fall of Granada has rendered copies of the original writings of Averroes, as of every other Spanish Moslem author, of extreme rarity.

From the stress laid in European history upon the name of Averroes, one should not infer that the Spanish Arabs were merely philosophers, or even physicians. The numeral figures that are in daily use throughout modern Christendom, though they were invented in India, were intro duced by the Arabs, and are still called by their names. Algebra, unknown even to the great Greek mathematicians, was similarly intro-duced by the Arabs, and the English word represents the original al jeber, or "the reduction of numbers." The Araba more punctiliously called and still call the science of feber o al makabels, as that of "reduction and comparison." Having thus rendered possible arithmetical operations which under the Roman system of numeration could not even have been attempted, the Spanish Araba proceeded to develop the theory of quadratic equations and the binomial theorem. They invented spherical trigonome They were the first to apply algebra to seometry, to introduce the tangent, and to substitute the sine for the arc in trigonometrical calculation. At a time when Europe firmly believed in the flainess of the earth, and was making ready to burn any foolhardy person who thought otherwise, the Moslems at Cordova

were teaching geography by globes.

In the practical department of medicine no less than in the speculative fields of philosophy, the Spanish Arabs offered to students the was supported by 4,300 columns of the rarest | highest education that was known or dreamed

botanist, published an elaborate pharmaco for the use of his students at Cordova. gery, too, which was but lightly esteemed by Christian nations until comparatively modern times, had its professors and practitioners in Moslem Spain, Albucasis of Cordova was not only a bold and skilful operator, but his treatises on surgical instruments may be read with interest at the present day. Surprising as it may well seem to us, the students of medicine were not confined to the male sex; on the contrary, we read of feminine scholars and doctors who graduated in the schools of Cordova, and brought their skill and science to the bedsides f their Moslem sisters in the day of sickness. In the universities of Moslem Spain, not only at Cordova, the capital, but at Seville, Saragossa. Toledo, and Granada, arithmetic, algebra, trigonometry, astronomy, the entire circle of the sciences, chiefly occupied the attention of the students. The professors, however, gave lessons also on philosophy, on natural history, on literature, rhetoric, and composition. The Arable tongue, which, it was their boast, was the most perfect ever spoken by man, was studied with peculiar care. At the same time other languages were by no means excluded from the course. Grammars and lexicons, not only of the Arabic, but of Greek, Latin, and Hebrew, were prepared and resdited. works of the great master of science, Lisan ud-din of Granada, constitute one of the earliest encyclopædias in the world of letters, and, as we have seen, the commentaries of Averroes opened the treasure house of Greek learning to the students of medieval Europe. The universities of Moslem Spain were, beyond a doubt, the resort of students from the tenth to the twelfth centuries from every part of Europe The celebrated Gerbert, afterward Sylvester II., most liberal of medieval Popes (993-1003), was a student at Cordova toward the end of the tenth century. Teachers of Peter the Venerable, the friend and protector of Abelard, spent much of his time in Cordova, and no only spoke Arabic fluently, but actually had the Keran translated into Latin. He mention that, on his first arrival in Spain, he found several learned men, even from England, studying astronomy and other less recondite branches of It was certainly from Toledo that Michael Scot brought his translation of Aristotle and Averroes, at the beginning of the thirteenth century, to the strangely enlightened ourt of the Emperor Frederick II. Hermann, the German, continued Michael Scot's work at Tolede, and carried his versions of other works into Naples and Sicily, where Manfred, son of Frederick II., had inheffted his father's tastes The extraordinary liberality evinced by the Arab toward the professors of literature is exemplified in the fact that, in Spain, Christians and even Jews, were appointed to direct the studies in the academies or colleges of Cordovs Real learning was, in the estimation of these

of in Europe. Avensoar, a chemiet and a

Moslems, of greater value than the religious opinions of the learners. Yet, willing as is the author of this history to recognize the debt of Europe to Cordova, he perceives why all their liberality and all their erudition did not avail to save the Spanish Arabs. The patronage of the Abdur Rahmans and the Hakams, the studies of Abenzoar and Averroes, the library at Az Zahra (the mere catalogue of which was hardly contained in forty-four large volumes, the scholars who flocked to Cordova from every part of Europe and the East, the learning of the professors, the intelligence of the students, the skill of the operators, the refinement of the men and women who graduated in the great schools of Moslem Spain, all this availed nothing against the incursions of barbarians from Africa, the Almora vides and the Almohades, and the more deadly internal forces of disintegration and decay. Th schoolmaster supplied not the place of the statesman; the highest education could not compensate for a long course of political ineptitude. The pen, in a word, proved powerless without the protection of the sword. The institutions that had flourished under the Moslem died when the Moslem departed; and, after fou centuries of light and leading, Andalusia fell ack under the Christian rule into a condition of ignorance and barbarism nearly, if not quite, equal to that of the northwestern provinces of the peninsula.

Before taking leave of that part of this his ory which is devoted to the Arabs and the Moors, we should note that not only philosophy astronomy and mathematics, chemistry and botany, medicine and surgery, Antelligent architecture and scientific irrigation, poetry and artistic prose composition, but also music and all the minor arts and refinements of life were studied and practised with success at Cordova and other centres of Mohammedan civilization in the peninsula. The invention of the mariner's pass, of gunpowder, and of writing paper is claimed by the Spanish Arabs. Especially should a word be said about the Arab architecture, which, after the eleventh century, underwent a fundamental change, resulting, two centuries later, in a brilliant outcome which was characterized by novelty of form as well as by

beauty of ornament.

The author of this book would describe as

pure Arab Byzantine the style that was introduced into the peninsula by the Moslem conquerors in the eighth century. From the moment, however, of the landing of the invaders in Baetica the influence of Roman architecture, of which many magnificent examples were extant around them, cannot have failed to make itself felt. At Merida, at Italica, at Cordova, at Alcantara, at Toledo, and at Tarragona the imposing remains of Roman greatness, of which but few have survived to our own time, still stood to astonish and inspire the newcomer and it was not long before they themselves added new glory to the architecture of Spain. To the great mosque at Cordova, constructed in the tenth century, some reference has already been made. Its architectural character is, above all things, simple and severe, reproducing the Arab style of Damascus and Bagdad, invested, however, with greater dignity and with a supert austerity by the local influence of imperial Rome. But during the eleventh and twelfth centuries, as we have said, the character of Arab architecture in Spain was considerably modified. Aside from the natural and na-

tional development inseparable from all true art, it may have been affected by Indian, Egyptian, and other foreign influences from Asia Africa; in any case, it separated itself daily more and more from its parent, the architecture of Constantinople, and from the grander and older traditions of Rome. Of this intermediate period few remnants exist in Spain. The sanctuary known as the Chapel of Villa Viciosa, attached to the mosque at Cordova, the Alcazar and the Giralda Tower at Seville (1105), have been regarded as specimens of the transition period during which, among other changes, the stiff and formal cufic character in which the decorative inscriptions had been written gave place to the cursive character that forms so striking a feature in the decoration of the Alhambra. The date of these buildings, however, is uncertain, and we can hardly be said to have any definite knowledge of the evolution of Moslem architecture during the two hundred years that followed the downfall of the Caliphate. As soon, however, as the thirteenth century is reached, we find a new native Arab style in the peninsula, Moslem, no doubt, and entirely unlike the contemporary Christian architecture of Spain, yet distinctively Spanish. It is this style which, in the hands of the descendants of those Syrian Arabs who had founded a second Damascus at Granada reached its bighest perfection on the banks of the Darro. If Granada did not enjoy the artistic supremacy in contemporary Europe that was universally allowed to Cordova. It was not so much that the Spanish Moslem was less powerful, and his culture less directly influential, as that Europe had, in two centuries, become at once relatively and absolutely more civilized than before. As it was, Granada was a centre of culture less magnificent and powerful, but no less truly artistic and actually distinguished by a more characteristic originality and spontaneity of development than had been the Cordova of the Caliph. Among all the buildings not only of Spain but of Europe, the Alhambra at Granada has long been accounted one of the greatest marvels and examples of superintively graceful construction that exist upon the earth. A passage is quoted culture less magnificent and powerful, but no less truly artistic and actually distinguished by

from the well-known monograph by Mr. Owas Jones to the effect that by no builders in the world has the paramount rule that the architec should decorate construction, and not construct decoration, been more perfectly carried out than by the Moslem builders of the Alanmbra. Every line and every curve is exactly what it should be and where it should be, and they all growing of one another in natural as well as graceful to dulations. There is thus nothing exercinothing that could possibly be removed water destroying the symmetry of the whole, it letter the Moors in their marvellous decoration worked on certain fixed rules, or only in accordance with a highly organized natural instinct, which the had obtained by centuries of remement and intelligent study of the works of their predecessors, it is now impossible to tell. As regards the coloring, layeve one may discern at least the general rule that primary colors were used on the upper portions of the work and secondary or test, ary colors on the lower, a rule which like all the great canons of taste, seems certainly to be accordance with the law of nature. One perp liarity of the ornamentation of the Albarahra has been specially noted by Mr. Owen Jones, and this is that, although many of the ornaments or patterns are repeated in the various land, and in different positions, they always exactly fit the place that they occupy. The pattern is never interrupted by any but a natural division Each ornament appears specially designed and made for the particular spot in which it is found. We note, finally, the interesting fact that in their domestic architecture the Arabi had almost solved the problem how to unite ornament and ventilation by means of current of air of different temperatures. The party lous stucco fretwork by which they conseque the angles of their apartments served not only for ornament, but to equalize the temperatand to admit of concealed openings whereby air could peretrate without draught or chill,

## RUSSIAN ARTELS,

Labor Organizations That Began with the Raids of Medieval Cossacks.

Whenever anything has to be done among the Tussian laboring classes the first step is to organize an artel. This is an association of persons who unite their capital and tabor, or only the latter, for a certain piece of work or other undertaking and who are mutually responsible. They are not mere labor unions; some are for building rallroads or working mines, for a le vating land or cutting wood, but others are for arranging plenies and balls, and even for herging. The institution dates back to the tetch century, when the Dnieper Cossacks formed themselves into bands to plunder the surrounding country; then associations for hunting or Cshing, and, in time, for other purposes,

All artels are organized in the same way number of men agree to work together and share the profits or losses. They pledge themseives to act fairly to one another, to look out for each other's interests, and to stand by one another. The earnings and expenses are shared equally among them. They choose one man among them to be their starosta, or leader, and put the entire management of affairs in his hands. His authority is absolute as long as he holds the office. Any member who refuses to bey his orders is expelled from the associatand forfeits his share in it, but at the end of six months the starosta must give an account of his management. All grievances are considered and, if he is judged unworthy, he is removed. The position is one chiefly of honor, as he reeives only a small sum more than the others.

Some of the artels are permanent, other

mly temporary, but perhaps more interesting When the snow melts, all the laborers in a village who are not needed to till the village land form themselves into an artel and soul out their starosta to find where work is needed The starosta agrees with some landowner that his artel shall do a piece of work, the ploughing and sowing, or perhaps all the farming, and in return receive either a sum of money or a share in the crops. The artel then goes to the estate and is responsible not only for its work, but for the safety of the crops and the farm buildings during the appointed time. If the crops are burned each member of the artel is personally responsible to the proprietor. They seen not cheated of work due to it or loses by their carelessness. The starosta acts as overseer, caters for the men, who live and est together caters for the men, who live and cat forether while the bob lests, and divides the money among them equally after deducting the expenses. When times are hard, artels are formed for begging, and go from village to village asking for charity, which Russians dalike to refuse for fear of offending the sales it. Petersburg has thirty exchange artely the sales of the city; some sine my banks and commercial houses.

merchandise that comes to the city; some ply banks and commercial houses are roads with clerks and messengers; others vide waiters.

A man is thoroughly examined before headmitted into a permanent artel; the strength and in some cases mental cave and trustworthiness are needed, as the started becomes responsible for any crime blunder he may commit, and looks out for for a year if he is sick. New members an entrance fee varying from 1 heads \$750. Though the poorest and most ignor peasants can form an artel, no assembly formed under Government patronage has exproved successful.

AMERICAN CLOTH CHEAP AND GOOD Home Manufactures Fostered by the Trade

in Rendy-made Clothing. It does not follow that the cheap ready-made clothing that has astonished this town for the last two or three years is necessarily poor stuf The best of it is, in fact, very good, and manufacturers of established repute have so it, cheap as it seems, at a very handsome pe-One concern last year is reported to have cleared well on to \$400,000. Much of the material is so cheap when bought in the qual ties that the large clothiers take as to in the cost of the material in a suit of ready-it clothing often only a little more than \$1 sometimes less than \$1,50. The labor considerably greater, for the best of the clothing is thoroughly well sewed, and best sutters are highly paid and designers even me highly. One designer for a large clothing house is said to receive about three times the salary of a Cabinet officer. There are lassides wellpaid salesmen and a small army of other cutployees. The houses of best repute suidect their cloth to the most thorough test as to leas sile strength and stability of color.

The goods of which these clothes are made

are largely of American manufacture, though the reduction in the teriff has let mense quantity of English woodbus also have gone into ready-made There was a general lightening of avail meet the demand for cheap garmentexcellent stuff has gone into ready-m ing. The American stuffs owe much ognition that they have gradually obtained to the wholesale orders of the great clothing houses. Men have found that reads made clothing at moderate prices served th and they returned for more of the same was in many cases equivalent to american stuffs. The superstition as ported goeds remains, however, with tode public, persons that have civit of order. They demand imported an and when they buy of reputable target it. There is, however, plenty of a sloth rold as imported. It will perhayears to eradicate the superstition aported goeds, though the widening cittle ready-made clothiers means an fudemand for American cloths.

The quantity of a given material by the great clothiers is often immersed a single kind of cloth for more than suits is sometimes laid in, and such is often made to order for a single kind of cloth for more than suits is sometimes laid in, and such is often made to order for a single kind of clothes are the condensate of many materials so as in the titles of many materials so as in the that their customers shall not made to men of quiet tastes. It is took this country a long time to the calling of the men of quiet tastes. was in many cases equivalent to